



Australian Government

Department of Education, Employment and Workplace Relations

PUASAR006B Undertake trench rescue

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

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This unit covers the competency to undertake trench rescue as member of a single agency or multi-disciplinary team.

Application of the Unit

Application of the Unit

The application of this unit in the workplace - the environments, complexities and situations involved - will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

This text will be useful for the purposes of job descriptions, recruitment advice or job analysis; where possible, it will not be too job specific to allow other industries to import it into other Training Packages, where feasible.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite Unit/s

PUASAR001B Participate in a rescue operation

Employability Skills Information

Employability Skills

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element.

Where bold italicised text is used, further information is detailed in the ***Required Skills and Knowledge*** and/or the ***Range Statement***. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for trench rescue operation	1.1 Operation and task incident information is obtained and analysed 1.2 Shoring, propping and excavating equipment is identified and prepared for use 1.3 Personal protective equipment is selected relevant to trench rescue operation
2. Assess and manage a trench rescue scene	2.1 Physical features of a trench rescue are assessed before deploying rescue resources 2.2 Trench rescue scene is managed to control access and maintain a safe and effective operational environment 2.3 Communication with other personnel on site is established and maintained 2.4 Situational and environmental hazards are assessed, minimised and controlled
3. Stabilise the trench	3.1 Trench collapse pattern and signs of further collapse are identified 3.2 Action to minimise further trench collapse is undertaken
4. Locate and gain entry to confined space	4.1 Assessment is undertaken of incident scene to determine possible location of casualties 4.2 Appropriate resources are used to assist in the location of casualties 4.3 The condition of casualties and nature of entrapment is ascertained where possible in accordance with organisational procedures 4.4 Appropriate excavation techniques are employed to gain access to casualty 4.5 Located casualties are treated in consultation with medical personnel and in accordance with organisational policies 4.6 Hygiene procedures are followed in accordance with organisational procedures
5. Remove casualties	5.1 Entrapped casualties are released, treated and stabilised in accordance with organisational procedures 5.2 Released casualties are removed using recognised techniques 5.3 Appropriate actions are taken to preserve the incident scene, where required

ELEMENT**PERFORMANCE CRITERIA****6. Conclude rescue operations**

- 6.1 Equipment is recovered, cleaned and maintained according to organisational standards and manufacturer's guidelines
- 6.2 Where identified signs and symptoms of operational stress are recognised and promptly reported
- 6.3 *Operational documentation* is completed to organisational standards

Required Skills and Knowledge**REQUIRED SKILLS AND KNOWLEDGE**

This describes the essential skills and knowledge and their level, required for this unit.

Required Skills

- construction and installation of shoring and propping systems
- lowering and hauling systems
- operation of lifting
- operation of self contained breathing apparatus and airline equipment
- operation of ventilation equipment

Required Knowledge

- atmospheric monitoring procedures
- disaster victim identification procedures
- shoring and propping techniques
- soil stability
- trench collapse patterns

Evidence Guide**EVIDENCE GUIDE**

EVIDENCE GUIDE

Critical aspects for assessment and evidence required to demonstrate competency in this unit

It is essential for this unit that competence be demonstrated in:

- ability to shore, prop and shield
- ability to recognise further signs of trench collapse
- application of safe work practices
- extrication of casualty minimising further injury to self or others

Consistency in performance

Evidence should be gathered over a period of time in a range of actual or simulated workplace environments

Context of and specific resources for assessment

Context of assessment

Evidence should be gathered by observing an individual in an actual or simulated rescue context

Specific resources for assessment

Assessment of this competency requires access to an appropriate training location/venue/trench

Organisation's rescue equipment and personnel for teams-based activities

Guidance information for assessment

Information that will assist or guide assessment will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

Range Statement

RANGE STATEMENT

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

Trench is defined as	Under State/territory legislation
Trench rescue equipment may include	shoring shields and propping equipment excavators excavating equipment pumps hand tools ventilation equipment atmospheric monitoring
Situational or environmental hazards may include	exposure to toxic or biological or substance moving machinery either electrical or mechanical heat exhaustion or hypothermia further trench collapse vibrations from external sources weather water tides falls from heights or into depths
Personal protective equipment may include	gloves helmets safety glasses hearing protection aids spillage/Hazmat clothing safety lines breathing apparatus/airline
Recognised removal techniques may include	shoring propping shielding and excavating

RANGE STATEMENT**Operational documentation
may include**

incident field notes
post operational report
incident report
organisational procedures and related legal requirements

**Scene management may
include**

establishing barriers and perimeter access controls
management of bystanders and media
establishing and monitoring safety zones
medical liaison/preservation of evidence

Unit Sector(s)

Not applicable.

Corequisite Unit/s**Co-requisite Unit/s**

Nil